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(54) Title: COMPOSITIONS INCLUDING AMMONIA OXIDIZING BACTERIA AND METHODS OF USING SAME

(57) Abstract: A preparation and method for treating a subject how had developed or is at risk of developing at least one of high blood pressure, Alzheimer's Disease, obesity, and Diabetes Type II, Sickle Cell Anemia, Preeclampsia, Sudden Infant Death Syndrome, or Vascular disease comprising positioning ammonia oxidizing bacteria close proximity of a surface of the subject, of nitric oxide and nitric oxide precursors using ammonia oxidizing bacteria.

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US03/00995

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12N 1/20; A01N 63/00

US CL : 424/93.4; 435/822

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/93.4; 435/822

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	WO 98/27991 (LABORATOIRES STANDA S.A.) 02 July 1998 (02.07.1998) abstract, page 1, lines 21-23, column 3, lines 35-37, page 19, table, pages 25-26.	14,16-18,20-23 ----- 1-13,15,19,24-30
X --- Y	BOCK et al. 'Oxidation of Inorganic Nitrogen Compounds as Energy Source'. In: The Prokaryotes. A Handbook on the Biology of Bacteria: Ecophysiology, Isolation, Identification, Applications. Edited by Balows et al. Springer-Verlag. Second Edition. 1992, Vol. I. Chapter 17, pages 414-417, especially page 417, figure 1.	14-23 ----- 1-13,24-30
Y	US 5,648,101 A (TAWASHI) 15 July 1997 (15.07.1997), abstract, column 1, lines 15-20, column 3, lines 5-20.	1-30

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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document member of the same patent family

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Continuation of B. FIELDS SEARCHED Item 3:

WEST USPT, DWPI, STN CAPLUS, BIOSIS, MEDLINE

search terms: nitric oxide producing bacteria, ammonia oxidizing bacteria, therapeutic uses